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**(54) Title:** AN OSTEOGENIC DEVICE AND A METHOD FOR PREPARING THE DEVICE**(57) Abstract**

The present invention is related to an osteogenic device and its preparation. Said device comprises a bone morphogenetic protein (BMP), preferably a modified BMP complex obtainable by a modification of the conventional guanidium hydrochloride extraction method and collagens, preferably collagen I or collagen IV, impregnated in and/or adsorbed on a bioceramic carrier, preferably a shapable body (block) originating from a coral skeleton. The method of isolating said modified BMP complex which lacks an immunogenic component and consists essentially of a 100-700 kD and a 15-25 kD protein with osteoinductive properties and preferably of the 15-25 kD protein which has improved storage properties as well as its use in the osteogenic device with improved osteoinductive properties is also disclosed.

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